

MISCELLANEOUS PAPERS

Centre for Entomological Studies Ankara

No 188

20 April 2019

ISSN 1015-8235

Lawana guttifascia from the Philippines (Homoptera, Flatidae)

Muhabbet Kemal¹ Ahmet Ömer Koçak

Abstract: *Lawana guttifascia* from the Philippines (Homoptera, Flatidae). *Misc. Pap.* 188: 1-2, 3
figs. 1 map.

In this paper, faunistical records of *Lawana guttifascia* (Flatidae) in the Philippines are given.

Keywords: *Lawana guttifascia*, Flatidae, Homoptera, fauna, Philippines, Luzon, Negros.

This short faunistical paper deals with the Flatinae specimens collected from Bicol in Luzon Island and Mt. Kanlaon in Negros Island of the Philippines. The species reported here, is currently placed in the genus *Lawana* of the subfamily Flatinae Spinola, 1839. It was originally described by Walker (1851) from the Philippines with the name combination “*Colobesthes guttifascia*”. Karny (1922) considered this species in the genus *Lawana*. Haupt (1926) reported this species from Samar and Mindanao Islands. Melichar (1923) mentioned it from Manila (Luzon). Lallemand (1939) listed Homoptera species from Sarawak, including *Lawana guttifascia*.

We did not find any information in the literature that this species was found in Negros Island. The species is remarkably variable in the fore-wing maculation (Figs 1-3). Faunistically, present record is new for the fauna of Negros Island (Philippines). Brief taxonomic and faunistic information are given below.

Lawana Distant, 1906

Lawana Distant, 1906, *Fauna Br. India, Rhynchota* 3: 420 (nomen novum pro *Phyma* Melichar, 1902).

Lawana guttifascia (Walker, 1851)

Colobesthes guttifascia Walker, 1851, *List homopterous Insects Colln Br. Mus.* 2: 441. Type (s): “Philippine Islands. From Mr. Cumming’s Collection”.

Phyma guttifascia var. *obliqua*, var. *obsoleta* Melichar, 1902. *Annln. Naturh. Mus.* 17: 47, Taf. iii fig. 12. “Philippineninsel”.

Lawana guttifascia: Karny, 1922, *Treubia* 3: 4.

Lawana guttifascia: Melichar, 1923. *Genera Insectorum* 182: 48. “Philippines, Manila [Luzon]”.

Phyma guttifascia: Haupt, 1926. *Philippine J. Sci.* 29: 440 “Samar, Catbalogan; Mindanao, Surigao, Zamboanga”.

Lawana guttifascia: Lallemand, 1939, *Ann. Mag. nat. Hist.* 11 (4): 72 “Sarawak”.

Lawana guttifascia: Metcalf, 1957, *General Catalogue Homoptera* 4 (13): 210.

¹ Dr Muhabbet Kemal - Van Yüzüncü Yıl University, Faculty of Science, Dept. of Biology, Campus, Van / Turkey.
e-mails: muhabbet_kemal@yahoo.com.tr
Prof. em Dr Ahmet Ömer Koçak, c/o Yüzüncü Yıl University, Faculty of Science, Dept. of Biology., Van / Turkey.
e-mail: cesa_tr@yahoo.com.tr

Range: Philippines: Luzon (Manila, Bicol [present record]), Samar, Mindanao, Negros, Kanlaon Mt. [present record]. Borneo (Sarawak).

Material: 3 ex. Philippines: Luzon, Bicol, 10.xi.1996, local collector. 1 ex. Philippines, Negros Island, Murcia, Kanlaon Mt. 1500m, 1-10.xii.1997, F.Mamigo leg. (in coll. Cesa).

Selected References

Haupt, H., 1926. Beitrag zur Kenntnis der Homopteren-Fauna der Philippinen. *Philippine J. Sci.* 29: 431-443, Taf.1.

Lallemand, V., 1939. III- Faune de Sarawak. Homoptères recueillis par l'expédition universitaire d'Oxford en 1932 et par Mr. Shelford autour de Kuching en 1900. *Ann. Mag. nat. Hist.* 11 (4): 57-78.

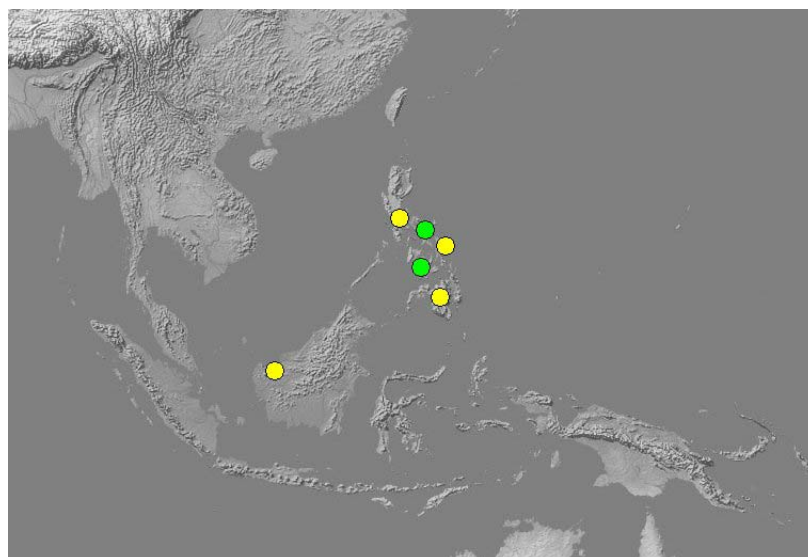
Melichar, L., 1923. *Homoptera Fam. Acanaloniidae, Flatidae et Ricaniidae*. [in] P. Wytsman, *Genera Insectorum* Fasc. 182: 1-185, 2 pls. Bruxelles.

Metcalf, Z.P., 1957. *General Catalogue of the Homoptera*, Fasc. IV, Part 13. *Flatidae*. 565 pp. North Carolina State College, Raleigh, N.C.

Walker, F., 1850-1851. *List of the specimens of Homopterous Insects in the Collection of the British Museum*, Part I, II. London.



Figs 1-3 - *Lawana guttifascia*. Variability of wing markings. Lateral view of the specimens from Bicol (Luzon Island) (left & middle), from Kanlaon Mt. (Negros Island) (right).



Map 1 - *Lawana guttifascia* in Indo-Australic Region. Yellow markings denote published data, while green shows the new records.

Ricania speculum from the Philippines (Homoptera, Ricaniidae)

Muhabbet Kemal² Ahmet Ömer Koçak

Abstract: *Ricania speculum* from the Philippines (Homoptera, Ricaniidae). *Misc. Pap.* 188: 3-4, 1 fig. 1 map.

In this paper, faunistical records of *Ricania speculum* (Ricaniidae) are given. Occurrence of the species in Negros Island is considered as new faunistic record.

Keywords: *Ricania speculum*, Ricaniidae, Homoptera, fauna, Philippines, Negros.

This indo-australic species, known as a real pest for several crops was reported in the last decade from Italy (Mazza *et al.*, 2014).

In the present paper, the record of this species from Negros Island (Philippines) is given for the first time. Known distributional information of the species is also reviewed (**Map 1**). Taxonomic and faunistic information are briefly given below.

Ricania Germar, 1818

Ricania Germar, 1818, *Mag. Ent.* 3: 221-224. Type-species: *Cicada hyalina* Fabricius, 1775.

Ricania speculum (Walker, 1851)

Flatoides speculum Walker, 1851, *List homopterous Insects Colln Br. Mus.* 2: 406 Type ♀: "Philippine Islands" (Cuming's Collection).

Flatoides tenebrosus Walker, 1851, *List homopterous Insects Colln Br. Mus.* 2: 406-407. Syntypes ♂♀: "China, Hong-Kong".

Flatoides perforatus Walker, 1851, *List homopterous Insects Colln Br. Mus.* 2: 407-408. Terra incognita.

Flatoides guttatus Walker, 1851, *List homopterous Insects Colln Br. Mus.* 2: 408. "Hong-Kong".

Flatoides marginalis Walker, 1851, *List homopterous Insects Colln Br. Mus.* 2: 409. Type ♀: "Africa" [recte: Singapore] (Melichar, 1898).

Ricania malaya Stål, 1854, *Ofv. VetenskAkad Förh.* 247

Flatoides posterus Walker, 1857, *J. Linn. Soc. (Zool.)* 1: 156 "Borneo".

Ricania splendida Spinola, 1860, *Annls Soc. ent. Fr.* 8: 406.

Flatoides designatus Walker, 1862 *J. Ent.* 1: 310. "Siam".

Ricania specularis Walker, 1870, *J. Linn. Soc. (Zool.)* 10: 145. "Flores".

Ricania rufifrons Walker, 1870, *J. Linn. Soc. (Zool.)* 10: 145. "Waigiou".

Ricania speculum: Melichar, 1898, *Annln naturh. Mus. Wien* 13: 223-224, Taf. ix figs. 1, 2. with complete synonymy, morphology and range of the species: "Ostindien, Sumatra, Borneo, Java, Ceylon [Sri Lanka], Manila [Luzon, Philippines], Birmania [Myanmar], Kiang-si, Cochin-China, Philippinen-Insel".

Ricania speculum: Banks, 1910, *Philippine J. Sci.* 5 (D): 44 "Palawan, Bacuit, P.I.".

Ricania speculum: Haupt, 1926, *Philippine J. Sci.* 29: 438 "Luzon, Mindanao...".

Ricania speculum: Metcalf, 1955, *General Catalogue Homoptera*: 4 (16): 76.

Range (in code): Sz Fkn Hpe Kig CN SG MY Bor Swk IN Ben Ass SI LK MM Sum Bor Flo Ja Wg ID TH CMa Cu05 Cu07 VN TW PH Luz Pal Neg Knl Mno KP KR JP IT

Material: 1 ex. Philippines, Negros Island, Murcia, Mambucal, Kanlaon Mt. 800m, 1-24.i.1997, F.Mamigo leg. (in coll. Cesa).

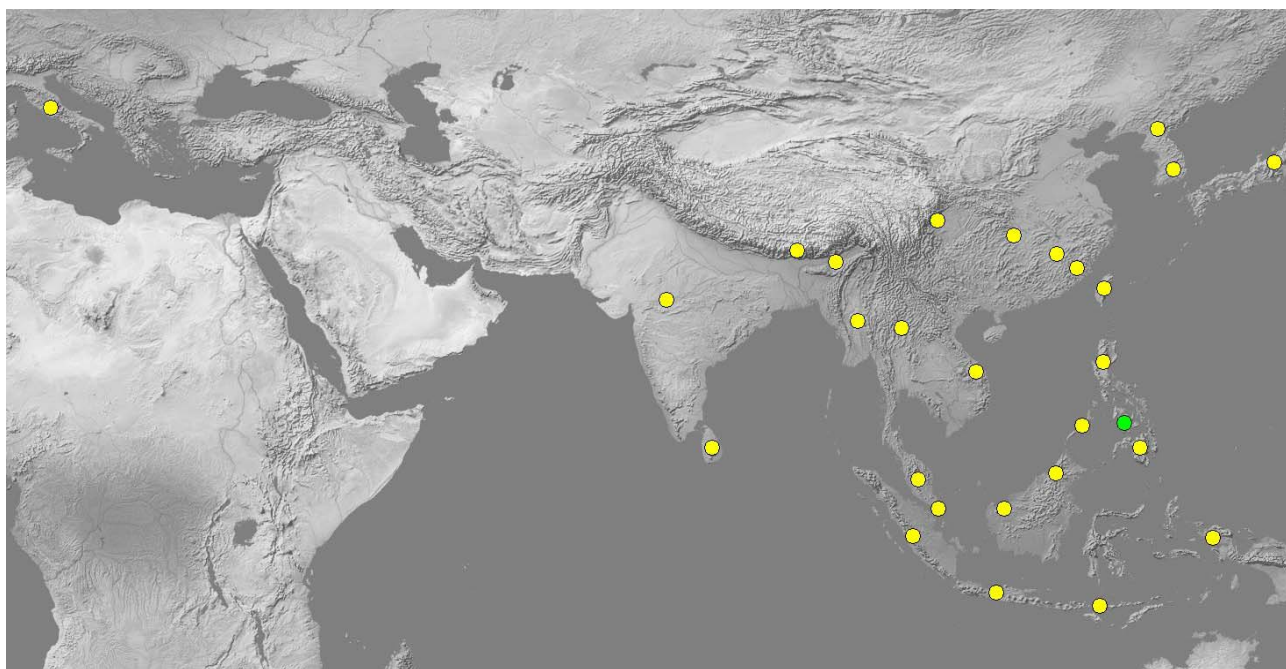
² Dr Muhabbet Kemal - Van Yüzüncü Yıl University, Faculty of Science, Dept. of Biology, Campus, Van / Turkey.
e-mails: muhabbet_kemal@yahoo.com.tr
Prof. em Dr Ahmet Ömer Koçak, c/o Yüzüncü Yıl University, Faculty of Science, Dept. of Biology., Van / Turkey.
e-mail: cesa_tr@yahoo.com.tr

Selected References

- Atkinson, E.T.**, 1886. Notes on Indian Rhynchota, No.5. *J. Proc. Asiat. Soc. Bengal* 55: 12-83.
- Banks, C.S.**, 1910. Rhynchota Palawanica Part II. (Homoptera). *Philippine J. Sci.* 5 (D): 33-55.
- Fennah, R.G.**, 1956. Fulgoroidea from southern China. *Proc. Calif. Acad. Sci.* 28 (4): 441-527.
- Germar, E.F.**, 1818. Bemerkungen über einige Gattungen der Cicadarien. *Mag. Ent.* 3: 177-227.
- Haupt, H.**, 1926. Beitrag zur Kenntnis der Homopteren-Fauna der Philippinen. *Philippine J. Sci.* 29: 431-443, Taf.1.
- Kirkaldy, G.W.**, 1913. On some new species of leafhoppers. Part 1. *Bull. Hawai. Sugar Pl. Ass. Exp. St. Div. Ent.* 12: 7-27.
- Lallemand, V.**, 1939. III- Faune de Sarawak. Homoptères recueillis par l'expédition universitaire d'Oxford en 1932 et par Mr. Shelford autour de Kuching en 1900. *Ann. Mag. nat. Hist.* 11 (4): 57-78.
- Mazza, G. et al.**, 2014. First report of *Ricania speculum* (Walker, 1851) in Europe (Hemiptera: Fulgoromorpha: Ricaniidae). *Zootaxa* 3861 (3): 297-300.
- Melichar, L.**, 1898. Monographie der Ricaniiden (Homoptera). *Annln naturh Mus. Wien* 13: 197-359, 6 Taf.
- Melichar, L.**, 1923. *Homoptera Fam. Acanaloniidae, Flatidae et Ricaniidae*. [in] P. Wytsman, *Genera Insectorum* Fasc. 182: 1-185, 2 pls. Bruxelles.
- Metcalf Z. P.**, 1955. Part 16. Ricaniidae. [In] Metcalf Z. P. *General Catalogue of the Homoptera. Fascicule IV*, North Carolina State College, Raleigh: 1-200.
- Walker, F.**, 1850-1851. *List of the specimens of Homopterous Insects in the Collection of the British Museum*, Part I, II. London.



Fig. 1 – *Ricania speculum* (Ricaniidae). Upperside. Philippines, Negros Island, Kanlaon Mt.



Map 1 - *Ricania speculum* (Ricaniidae). Distribution in the Old World. Yellow markings denote published data, while the green spot shows the new record.

MISCELLANEOUS PAPERS**ISSN 1015-8235**

Miscellaneous Papers is a peer reviewed serial of the Centre for Entomological Studies Ankara, established in **1989**. It appears at irregular interval in a year, as PDF format and includes original articles of the research workers of the Centre, regarding on various subjects on Entomology (taxonomy, nomenclature, checklist, fauna, biodiversity, distribution, biogeography, ecology, insect-plant interactions, bionomy, and behaviour).

The CESA is a non-profit group, no royalties will be paid to authors of contributions. Papers accepted become the copyright of the related serial.

Miscellaneous Papers is currently archived online at “Internet Archive”, in accordance with the publication rules of the ICZN. It is an open-access serial, distributed under the terms of the “*Creative Commons Attribution License*”, which permits free use, and distribution in any medium, provided the original author(s) and source are credited.

Centre for Entomological Studies Ankara



(A scientific Consortium)

(co-operation of research workers for pure-scientific, not commercial purpose)

Web Page of the Cesa: <http://www.cesa-tr.org/>

Scientific Serials: Priamus & Priamus Supplement (print and online versions) (ISSN 1015-8243)³, Miscellaneous Papers (print and online versions) (ISSN 1015-8235)⁴, Memoirs (print and online versions) (ISSN-8227)⁵, DVD Films⁶, Iconographia Insectorum⁷ (online), Cesa Publications on African Lepidoptera (online)⁸, Cesa News (online)⁹, Cesa Books (online)¹⁰

Owners / Sahipleri - Editors / Yayıncılar: Prof. em Dr Ahmet Ömer Koçak (c/o Van Yüzüncü Yıl University, Van, Turkey), Asst. Prof. Dr Muhabbet Kemal Koçak (c/o Van Yüzüncü Yıl University, Van, Turkey).

Editorial Board of all Scientific Serials of the CESA / Bütün Bilimsel Yayınların Yayın Kurulu: Insecta, taxonomy, nomenclature, ecology, faunistics: Prof. em Dr Ahmet Ömer Koçak (c/o Van Yüzüncü Yıl Üniversitesi, Turkey), Asst. Prof. Dr Muhabbet Kemal Koçak (Van Yüzüncü Yıl University, Turkey).

Chief referees of all Scientific Serials of the CESA: Prof. em Dr Ahmet Ömer Koçak & Asst. Prof. Dr Muhabbet Kemal Koçak: Insecta, taxonomy, nomenclature, fauna, ecology, catalogues, checklists of the Old World.

Expert referees according to the subject areas: Dr Peter Huemer (Austria) and Dr. Ole Karsholt (Denmark): Gelechioidea, and some other Microlepidoptera groups in Palaearctic (Lepidoptera). Mag. Peter Buchner (Austria): Depressariidae (Lepidoptera). Dr J. B. Heppner (U.S.A.): Microlepidoptera of Nearctic and Neotropical. Dr G. Baldizzone (Italy): Coleophoridae (Lepidoptera). Dr V. Korneyev (Ukraine): Tephritidae, Pyrgotidae, Ulidiidae (Diptera). Prof. Dr Y.G.Verves (Ukraine): Sarcophagidae (Diptera). Dr Daniel Burckhardt (Switzerland): Psyllidae (Homoptera). Prof. Dr E. Heiss (Austria): Hemiptera. Dr R. Ehrmann (Germany): Mantodea. Prof. Dr Mustafa Ünal (Bolu, Turkey): Orthoptera. Prof. Dr Hüseyin Özdikmen (Turkey): Coleoptera. Prof. Dr Suat Kıyak (Turkey): Hemiptera.

Plant taxonomy, flora and vegetation: Assoc. Prof. Dr Murat Ünal, Asst. Prof. Dr Mesut Pınar, Dr Mehmet Fırat (Yüzüncü Yıl University, Van, Turkey).

Molecular studies: Asst. Prof. Dr Sibel Kızıldağ (Van Yüzüncü Yıl University, Van, Turkey).

Editorial policy: the submitted manuscript is evaluated by the Chief Editor and Referee. In case of need, the manuscript is sent to expert referees according to the subject areas.

ALL RIGHTS RESERVED

Correspondences should be addressed to: Prof. em Dr Ahmet Ömer Koçak, c/o Yüzüncü Yıl University, Fen Fakültesi, Biyoloji Bölümü, Kampus, Van / Turkey. - e-mail: cesa_tr@yahoo.com.tr

All the serials of the Cesa are archived regularly by the Internet Archive (300 Funston Ave., San Francisco, CA 94118, U.S.A.), in accordance with the rules of the International Codes of Zoological Nomenclature (ICZN)

<https://archive.org/>

also recorded regularly by the Zoological Record, Thomson Reuters, Enterprise House, Innovation Way, Heslington, York, YO10 5NQ, United Kingdom, <https://clarivate.com/>

³ <http://www.cesa-tr.org/Pri.htm>

⁴ <http://www.cesa-tr.org/Miscell.htm>

⁵ <http://www.cesa-tr.org/Memoirs.htm>

⁶ <http://www.cesa-tr.org/CDF.htm>

⁷ <http://www.cesa-tr.org/Icon.htm>

⁸ <http://www.cesa-tr.org/CPAL.htm>

⁹ <http://www.cesa-tr.org/Cesanews.htm>

¹⁰ <http://www.cesa-tr.org/Cesabooks.htm>